Name of the Work : Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of Tatanagar in Ward No.8, Kodigehalli

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-

Name of Agency :- M/s Karthik Enterprises

Bill No :-6th RA and Part Bill

Measurements recorded on

Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
55	KSRRB 2100.-2.2: Earthwork in excavation for foundations of structures as per drawings and techincal specifications including, setting out , construction of shoring & bracing , removal of stumps and other deleterious matter , dressing of sides and bottom and backfilling with approved material complete as per specifications .B. Machanical means (i) Depth - 3.0 Mtr to 6.0 m dep									
	Culvert									
	A2B Back Side									
	7th Cross									
			1	5.00			1.8	0.9	8.10	
	Devinagar Main Road									
	5th Cross		1	5.00			1.8	0.9	8.10	
	4th Cross		1	5.00			1.8	0.9	8.10	
							Total Quantity		**24.30**	**Cu-m**

TEJUS CONSULTANTS

Consultant

Assistant Engineer 4/1/19

Assistant Executive Engineer

Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Measurements recorded on											
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of											
BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)										
	Culvert										
	A2B Back Side										
	7th Cross										
				1	5.00			1.8	0.15	1.35	
	Devinagar Main Road										
	5th Cross			1	5.00			1.8	0.15	1.35	
	4th Cross			1	5.00			1.8	0.15	1.35	
	9th Main Road										
	Ward No-08 Entrance to 20th Cross Road										
	0.00	15.00	R/S	1	15.00			0.90	0.13	1.76	
	15.00	30.00	R/S	1	15.00			0.90	0.13	1.76	
	30.00	45.00	R/S	1	15.00			0.90	0.13	1.76	
	45.00	60.00	R/S	1	15.00			0.90	0.13	1.76	
	60.00	75.00	R/S	1	15.00			0.90	0.13	1.76	
	75.00	90.00	R/S	1	15.00			0.90	0.13	1.76	
	90.00	105.00	R/S	1	15.00			0.90	0.13	1.76	
	105.00	120.00	R/S	1	15.00			0.90	0.13	1.76	
	120.00	131.50	R/S	1	11.50			0.90	0.13	1.35	
	Deductions										
				-6	0.60			0.30	0.13	-0.14	
				-3	0.30			0.30	0.13	-0.04	
				-2	0.60			0.60	0.13	-0.09	
				-3	0.90			1.00	0.13	-0.35	
				-2	1.20			1.00	0.13	-0.31	
				-2	1.00			1.00	0.13	-0.26	
	Sahakara Nagar Park										
	Tiled Foot Path										
	14th Main Road (From Auto Stand)										
	0.00	15.00	L/S	1	15.00			0.90	0.13	1.76	
	15.00	30.00	L/S	1	15.00			0.90	0.13	1.76	
	30.00	35.00	L/S	1	5.00			0.90	0.13	0.59	
	35.00	36.00	L/S	0	1.00			0.00	0.00	0.00	**Sh, Drain**
	36.00	45.00	L/S	1	9.00			0.90	0.13	1.05	
	45.00	46.00	L/S	0	1.00			0.00	0.00	0.00	**Sh, Drain**
	46.00	61.00	L/S	1	15.00			0.90	0.13	1.76	
	61.00	76.00	L/S	1	15.00			0.90	0.13	1.76	
	76.00	91.00	L/S	1	15.00			0.90	0.13	1.76	
	91.00	102.00	L/S	1	11.00			0.90	0.13	1.29	
	Deductions										

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. 19.44

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P. 1.19

11.70

Assistant Engineer

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka

Assistant Executive Engineer, Kodigehalli Sub Division,

Measurements recorded on											
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of											
BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
				-8	0.60			0.60	0.13	-0.37	
				-7	1.00			1.00	0.13	-0.91	
				-2	0.60			0.30	0.13	-0.05	
				-2	1.00			0.30	0.13	-0.08	
				-4	1.00			0.60	0.13	-0.31	
				-1	0.50			0.50	0.13	-0.03	
				-3	0.90			0.30	0.13	-0.11	
	13th Main Road (sparkle Beauty spa)										
	0.00	15.00	R/S	1	15.00			0.90	0.13	1.76	
	15.00	30.00	R/S	1	15.00			0.90	0.13	1.76	
	30.00	45.00	R/S	1	15.00			0.90	0.13	1.76	
	45.00	60.00	R/S	1	15.00			0.90	0.13	1.76	
	60.00	75.00	R/S	1	15.00			0.80	0.13	1.56	
	75.00	90.00	R/S	1	15.00			0.80	0.13	1.56	
	90.00	105.00	R/S	1	15.00			0.80	0.13	1.56	
	105.00	116.00	R/S	1	11.00			0.80	0.13	1.14	
	116.00	131.00	R/S	1	15.00			0.90	0.13	1.76	
	131.00	141.00	R/S	1	10.00			0.90	0.13	1.17	
	141.00	156.00	R/S	1	15.00			0.80	0.13	1.56	
	156.00	171.00	R/S	1	15.00			0.80	0.13	1.56	
	171.00	177.30	R/S	1	6.30			0.80	0.13	0.66	
	177.30	190.30	R/S	1	13.00			0.60	0.13	1.01	
	190.30	205.30	R/S	1	15.00			0.90	0.13	1.76	
	205.30	214.30	R/S	1	9.00			0.90	0.13	1.05	
	Deductions										
				-6	0.60			0.60	0.13	-0.28	
				-5	0.60			0.60	0.13	-0.23	
				-4	0.80			0.90	0.13	-0.37	
				-2	1.00			0.90	0.13	-0.23	
				-6	0.60			0.60	0.13	-0.28	
				-1	0.70			1.00	0.13	-0.09	
				-1	1.20			0.80	0.13	-0.12	
				-1	1.80			0.80	0.13	-0.19	
				-1	1.00			0.60	0.13	-0.08	
				-2	0.60			1.00	0.13	-0.16	
				-1	1.00			1.00	0.13	-0.13	
								Total Quantity		49.28	**Cu-m**

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore

54.51
5.22
49.29

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Measurements recorded on										
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of										
BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
14	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)									
	Culvert									
	A2B Back Side									
	7th Cross									
			2	5.00			0.6	0.75	4.50	
	Devinagar Main Road									
	5th Cross		2	5.00			0.6	0.75	4.50	
	4th Cross		2	5.00			0.6	0.75	4.50	
							Total Quantity		**13.50**	**Cu-m**

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M

Measurements recorded on										
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of										
BOQ Item No	Description Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
17	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)									
	Culvert Ramp									
	A2B Back Side									
	7th Cross									
			2	5.00			0.9	0.10	0.90	
	Devinagar Main Road									
	5th Cross		2	5.00			0.9	0.10	0.90	
	4th Cross		2	5.00			0.9	0.10	0.90	
							Total Quantity		**2.70**	**Cu-m**

Measurements recorded on											
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of											
BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
15	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.24, I.No.5.26.2 of PW, P&IWTD SR 2016-17)										
	9th Main Road										
	Ward No-08 Entrance to 20th Cross Road										
	0.00	10.00	L/S	2	10.00				0.20	4.00	Both Side
	10.00	20.00	L/S	2	10.00				0.20	4.00	Both Side
	20.00	30.00	L/S	2	10.00				0.20	4.00	Both Side
	30.00	40.00	L/S	2	10.00				0.40	8.00	Both Side
	40.00	50.00	L/S	2	10.00				0.40	8.00	Both Side
	50.00	60.00	L/S	2	10.00				0.20	4.00	Both Side
	60.00	70.00	L/S	2	10.00				0.20	4.00	Both Side
	70.00	80.00	L/S	2	10.00				0.40	8.00	Both Side
	80.00	90.00	L/S	2	10.00				0.20	4.00	Both Side
	90.00	100.00	L/S	2	10.00				0.20	4.00	Both Side
	100.00	110.00	L/S	2	10.00				0.20	4.00	Both Side
	110.00	120.00	L/S	2	10.00				0.20	4.00	Both Side
	120.00	130.00	L/S	2	10.00				0.20	4.00	Both Side
	130.00	140.00	L/S	2	10.00				0.20	4.00	Both Side
	Shoulder Drain										
				9	2.70				0.20	4.86	
								Total Quantity		**72.86**	**Sq-m**

Measurements recorded on											
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of											
BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
16	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.(P.No.109, I.No.14.62 of PW,P&IWTD S.R 2016-17))										
	9th Main Road										
	Ward No-08 Entrance to 20th Cross Road										
	0.00	15.00	R/S	1	15.00			0.90		13.50	
	15.00	30.00	R/S	1	15.00			0.90		13.50	
	30.00	45.00	R/S	1	15.00			0.90		13.50	
	45.00	60.00	R/S	1	15.00			0.90		13.50	
	60.00	75.00	R/S	1	15.00			0.90		13.50	
	75.00	90.00	R/S	1	15.00			0.90		13.50	
	90.00	105.00	R/S	1	15.00			0.90		13.50	
	105.00	120.00	R/S	1	15.00			0.90		13.50	
	120.00	131.50	R/S	1	11.50			0.90		10.35	
	Deductions										
				-6	0.60			0.30		-1.08	
				-3	0.30			0.30		-0.27	
				-2	0.60			0.60		-0.72	
				-3	0.80			1.00		-2.40	

118.35

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

8.47

Measurements recorded on

Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
				-2	0.90			1.00		-1.80	
				-2	1.10			1.00		-2.20	
	Sahakara Nagar Park										
	Tiled Foot Path										
	14th Main Road (From Auto Stand)										
	0.00	15.00	L/S	1	15.00			0.90		13.50	
	15.00	30.00	L/S	1	15.00			0.90		13.50	
	30.00	35.00	L/S	1	5.00			0.90		4.50	
	35.00	36.00	L/S	0	1.00			0.00		0.00	Sh, Drain
	36.00	45.00	L/S	1	9.00			0.90		8.10	
	45.00	46.00	L/S	0	1.00			0.00		0.00	Sh, Drain
	46.00	61.00	L/S	1	15.00			0.90		13.50	
	61.00	76.00	L/S	1	15.00			0.90		13.50	
	76.00	91.00	L/S	1	15.00			0.90		13.50	
	91.00	102.00	L/S	1	11.00			0.90		9.90	
	Deductions										
				-8	0.60			0.60		-2.88	
				-7	1.00			1.00		-7.00	
				-2	0.60			0.30		-0.36	
				-2	1.00			0.30		-0.60	
				-4	1.00			0.60		-2.40	
				-1	0.50			0.50		-0.25	
				-3	0.90			0.30		-0.81	
	13th Main Road (sparkle Beauty spa)										
	0.00	15.00	R/S	1	15.00			0.90		13.50	
	15.00	30.00	R/S	1	15.00			0.90		13.50	
	30.00	45.00	R/S	1	15.00			0.90		13.50	
	45.00	60.00	R/S	1	15.00			0.90		13.50	
	60.00	75.00	R/S	1	15.00			0.80		12.00	
	75.00	90.00	R/S	1	15.00			0.80		12.00	
	90.00	105.00	R/S	1	15.00			0.80		12.00	
	105.00	116.00	R/S	1	11.00			0.80		8.80	
	116.00	131.00	R/S	1	15.00			0.90		13.50	
	131.00	141.00	R/S	1	10.00			0.90		9.00	
	141.00	156.00	R/S	1	15.00			0.80		12.00	
	156.00	171.00	R/S	1	15.00			0.80		12.00	
	171.00	177.30	R/S	1	6.30			0.80		5.04	
	177.30	190.30	R/S	1	13.00			0.60		7.80	
	190.30	205.30	R/S	1	15.00			0.90		13.50	
	205.30	214.30	R/S	1	9.00			0.90		8.10	
	Deductions										
				-6	0.60			0.60		-2.16	
				-5	0.60			0.60		-1.80	
				-4	0.80			0.90		-2.88	
				-2	1.00			0.90		-1.80	

CE 4.47

Assistant Executive Engineer
Kodigehalli Sub Division

8.47

90.00

14.30

179.74

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer

Consultant

CR- 8.64

Measurements recorded on											
Name Of work : - Improvements to Road,Drain and Footpath in 5th Main Road and abutting Cross Roads of											
BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
				-6	0.60			0.60		-2.16	
				-1	0.70			1.00		-0.70	
				-1	1.20			0.80		-0.96	
				-1	1.80			0.80		-1.44	
				-1	1.00			0.60		-0.60	
				-2	0.60			1.00		-1.20	16.70
				-1	1.00			1.00		-1.00	
								Total Quantity		348.62	Sq-m

Assistant Executive Engineer
Kodigehalli Sub Divi...
Yelahanka

388.09
39.47
348.62